

**Remarks**

Reconsideration of this Application is respectfully requested.

Claims 1-49 have now been cancelled from this application and claims 50-67 have been added to this application. Applicant reserves the right to prosecute canceled claims in a continuation application. Thus, claims 50-67 are now pending, with claims 50 and 63 being the independent claim. No new matter has been added.

Based on the above amendment and following remarks, Applicant respectfully requests that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

***Rejections under 35 U.S.C. § 102(b) and 103(a)***

Claims 24-32 and 34-49 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,508,660 to Gersbach et. al. (“Gersbach”). Claim 33 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Gersbach. Applicant respectively traverses these rejections.

Applicant continues to disagree with the Examiner's rejection. However, Applicant has cancelled claims 24-49 in order to expedite prosecution. Applicant believes that the canceling of claims 24-49 without prejudice or disclaimer renders these rejections moot. Thus, Applicant respectfully requests that the Examiner reconsider and withdraw these rejections.

**New Claims 50-67**

Applicant submits that new claims 50-67 are allowable over the applied reference.

Claims 50 recites at least a charge pump comprising first and second parallel current paths coupled at first ends to a first current source and coupled at second ends to a second current source, the first and second current paths having respective first and second output nodes and a system that controls a value of the second current source to correct for a voltage difference between the output nodes of the two parallel current paths. The system comprising a capacitor coupled to the second output node, a filter

coupled to the first output node, and a feedback means coupled at a first input to the filter, at a second input to the capacitor, and at an output to one of the first and second current sources.

Claim 63 recites at least a method of controlling a charge pump, comprising receiving a pump-up and a pump-down signal, transmitting the pump-up and the pump-down signals through first and second parallel current paths that are coupled between first and second current sources, outputting a first current path output signal from the first current path to a filter, the filter producing a filter output signal, outputting a second current path output signal from the second current path to a capacitor, receiving the filter output signal and the second current path output signal at inputs of a feedback means, generating a feedback output signal from the received signals, and controlling a value of one of the first current source and the second current source using the feedback output signal to correct for the voltage difference to minimize D.C. offsets resulting from parasitic capacitances of the transistors.

The applied patent does not teach of the claimed invention described in claims 50-67. Therefore, Applicant respectfully requests that the Examiner find claims 50-67 allowable over the applied patents.

*Conclusion*

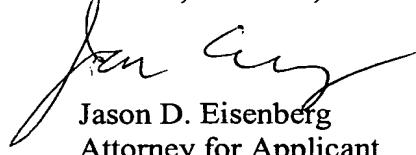
All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. Applicant believes that a full and complete reply has been made to the outstanding final Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Myles H. Wakayama  
Appl. No. 09/972,019

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jason D. Eisenberg  
Attorney for Applicant  
Registration No. 43,447

Date: 5/26/04

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

268396.1